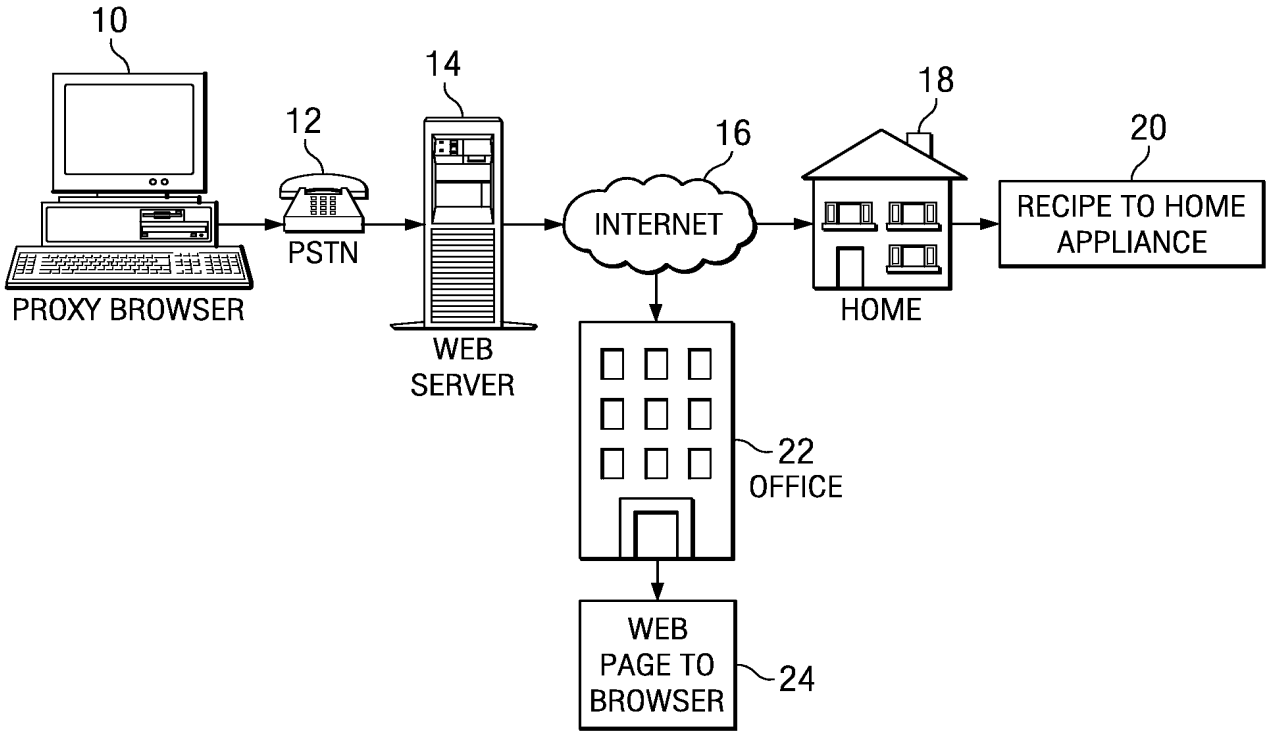
10
PROXY BROWSER
12
PSTN
14
WEB
SERVER
16
INTERNET
18
HOME
20
RECIPE TO HOME
APPLIANCE
22
OFFICE
WEB
PAGE TO
BROWSER
24

FIG. 1

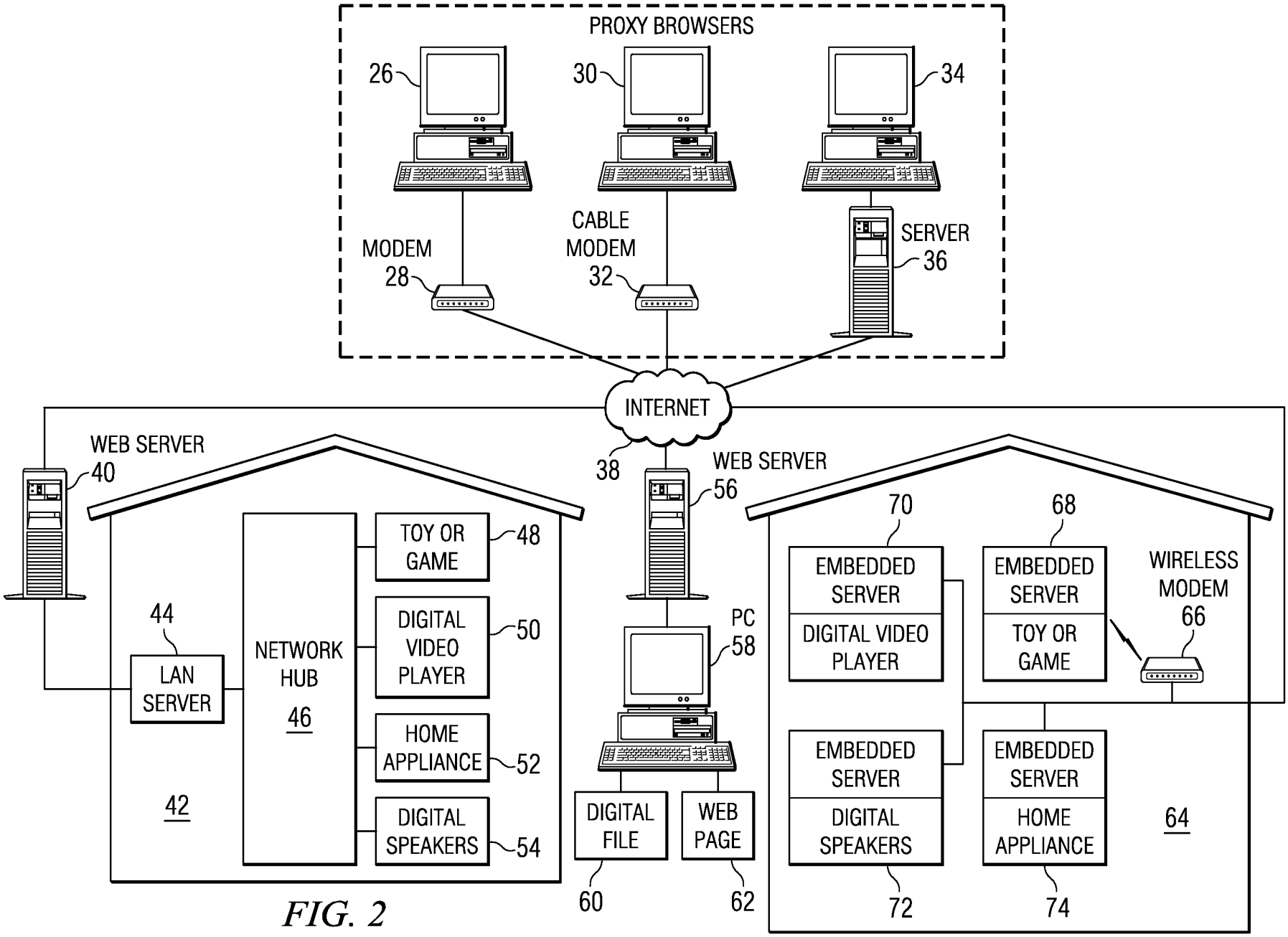
PROXY BROWSERS
26
30
34
MODEM
28
CABLE
MODEM
32
SERVER
36
INTERNET
38
WEB SERVER
40
WEB SERVER
56
PC
58
44
LAN
SERVER
NETWORK
HUB
46
TOY OR
GAME
48
DIGITAL
VIDEO
PLAYER
50
HOME
APPLIANCE
52
DIGITAL
SPEAKERS
54
42
DIGITAL
FILE
60
WEB
PAGE
62
70
EMBEDDED
SERVER
DIGITAL VIDEO
PLAYER
68
EMBEDDED
SERVER
TOY OR
GAME
WIRELESS
MODEM
66
EMBEDDED
SERVER
DIGITAL
SPEAKERS
72
EMBEDDED
SERVER
HOME
APPLIANCE
74
64

FIG. 2

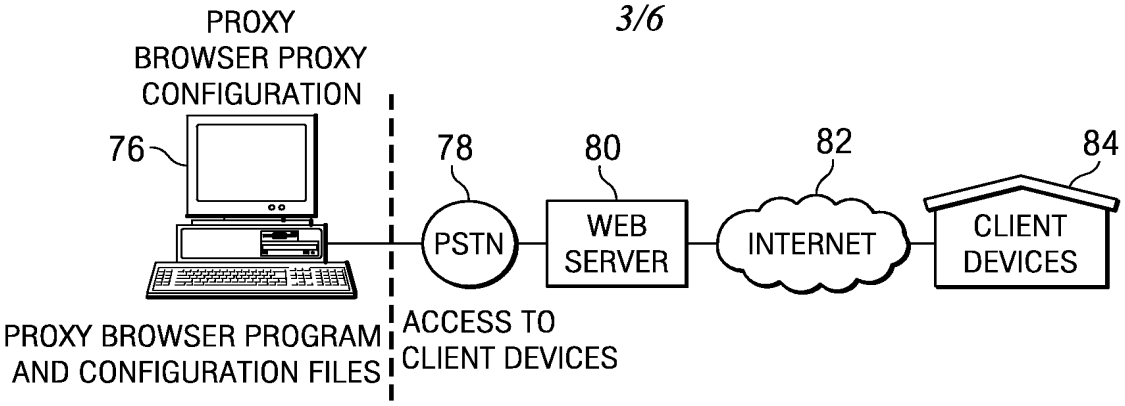

FIG. 3A

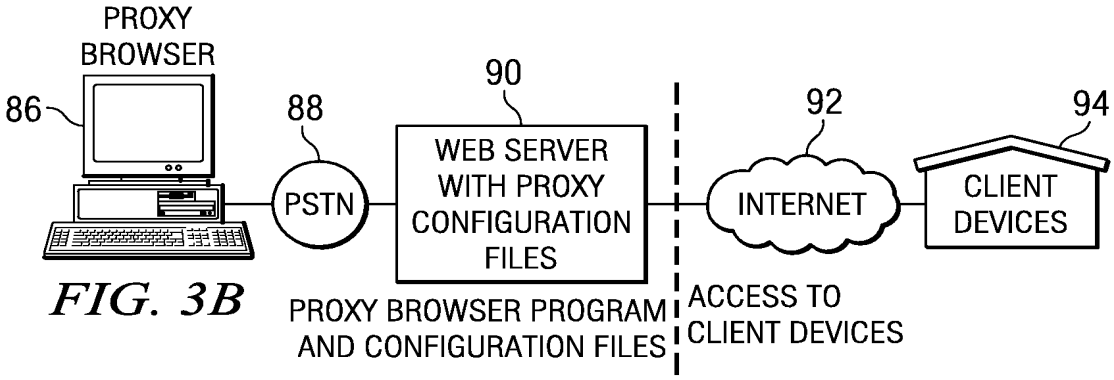

FIG. 3B

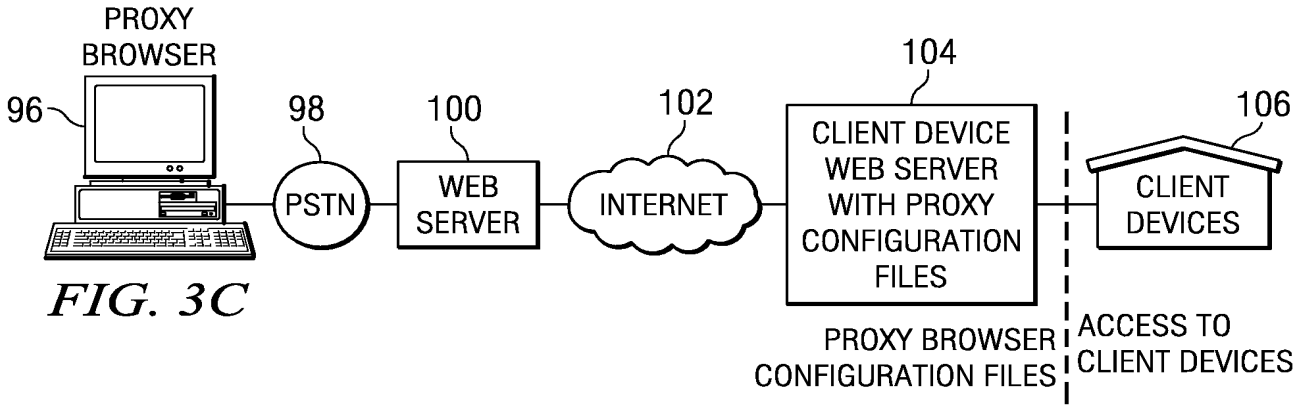

FIG. 3C

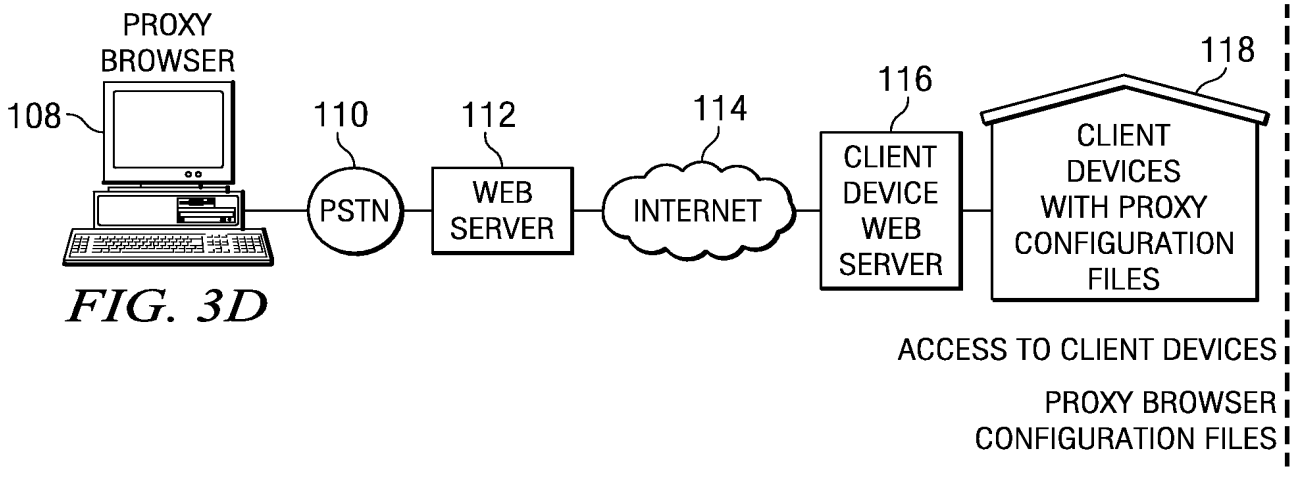

FIG. 3D

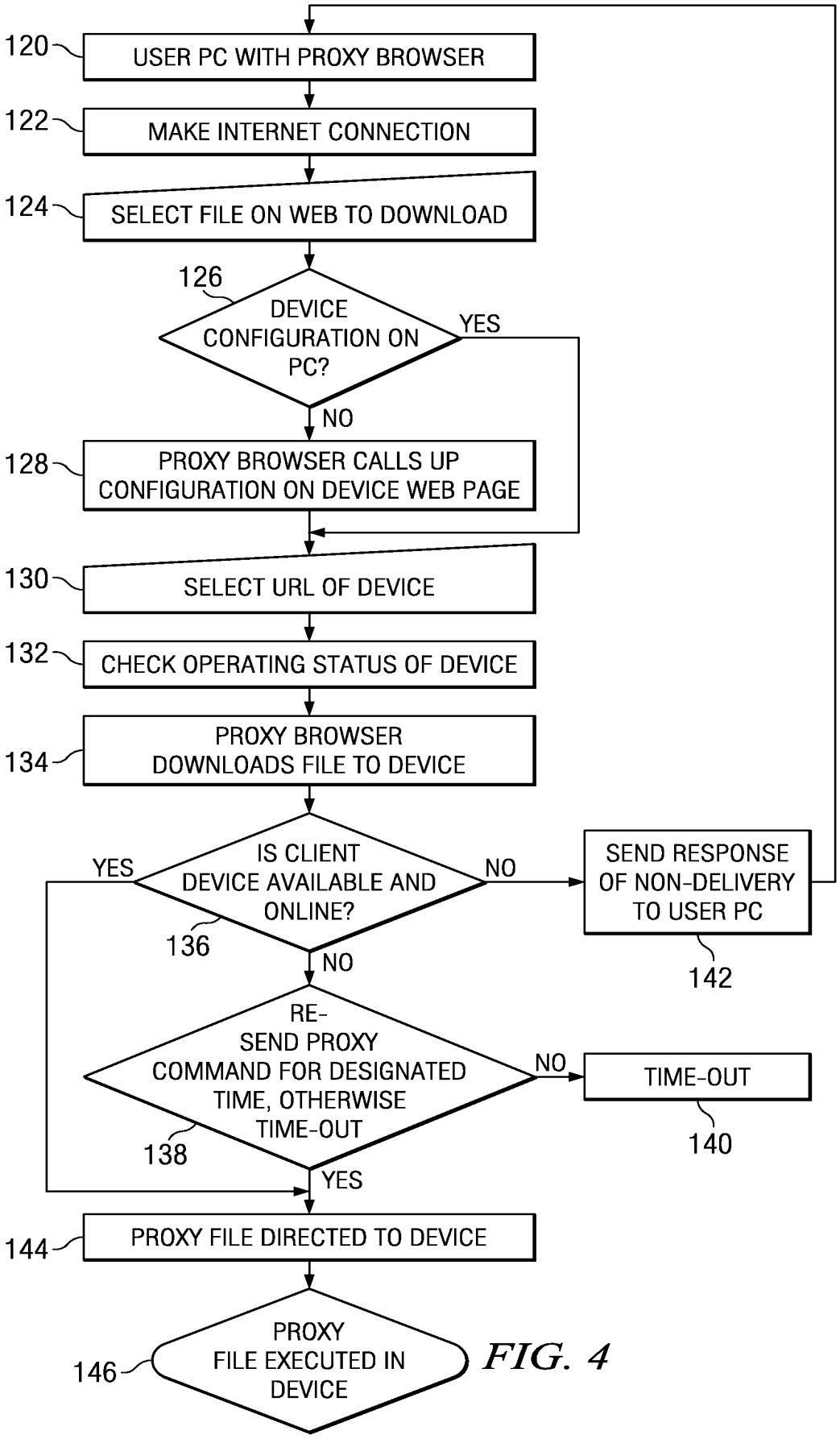
120
USER PC WITH PROXY BROWSER
122
MAKE INTERNET CONNECTION
124
SELECT FILE ON WEB TO DOWNLOAD
126
DEVICE CONFIGURATION ON PC?
YES
NO
128
PROXY BROWSER CALLS UP CONFIGURATION ON DEVICE WEB PAGE
130
SELECT URL OF DEVICE
132
CHECK OPERATING STATUS OF DEVICE
134
PROXY BROWSER DOWNLOADS FILE TO DEVICE
IS CLIENT DEVICE AVAILABLE AND ONLINE?
136
YES
NO
SEND RESPONSE OF NON-DELIVERY TO USER PC
142
RE-SEND PROXY COMMAND FOR DESIGNATED TIME, OTHERWISE TIME-OUT
138
NO
TIME-OUT
140
YES
144
PROXY FILE DIRECTED TO DEVICE
146
PROXY FILE EXECUTED IN DEVICE

FIG. 4

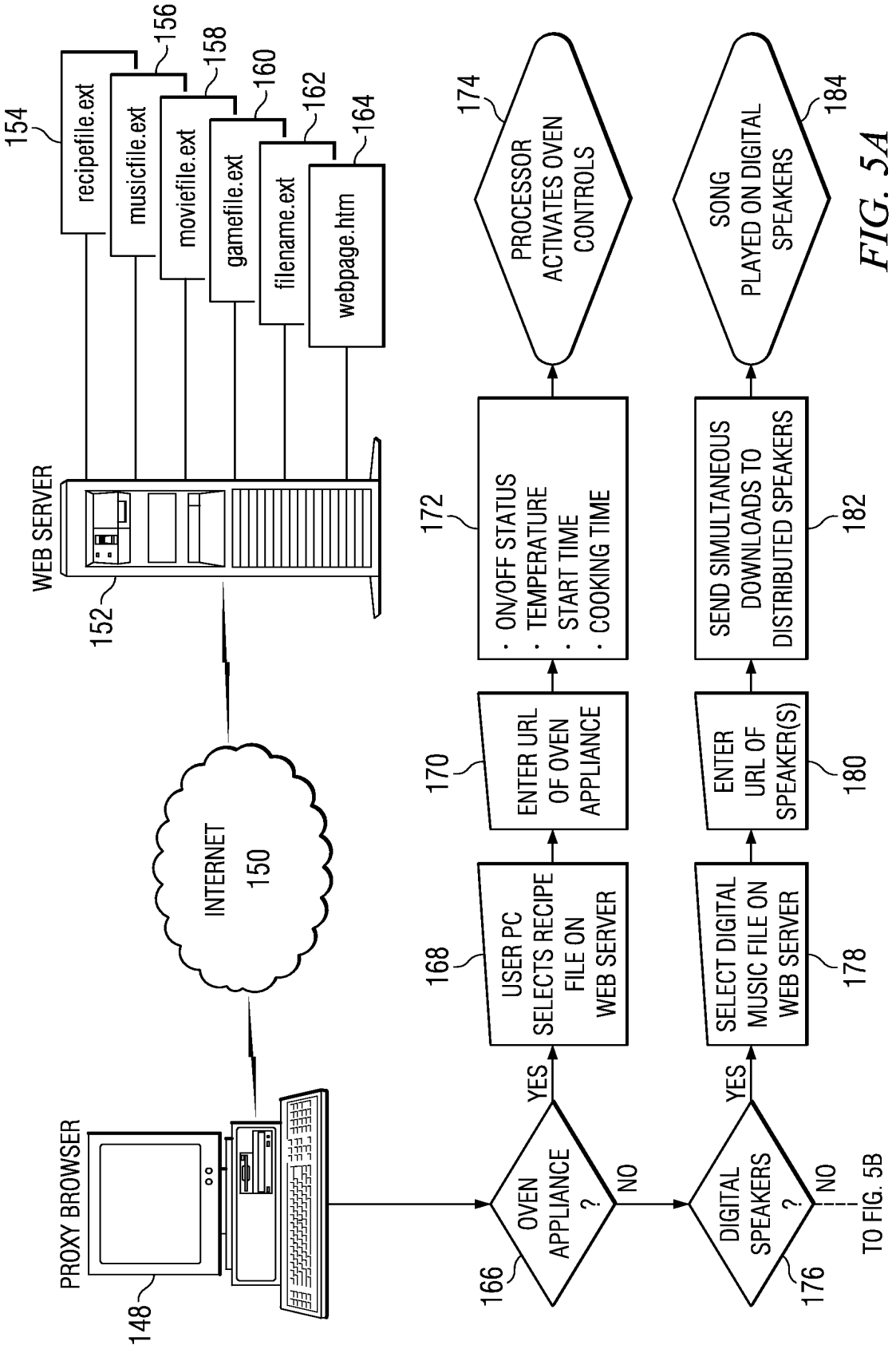
154
recipefile.ext
156
musicfile.ext
158
moviefile.ext
160
gamefile.ext
162
filename.ext
164
webpage.htm
WEB SERVER
152
INTERNET
150
PROXY BROWSER
148
OVEN APPLIANCE ?
166
YES
NO
DIGITAL SPEAKERS ?
176
YES
NO
TO FIG. 5B
168
USER PC SELECTS RECIPE FILE ON WEB SERVER
170
ENTER URL OF OVEN APPLIANCE
172
· ON/OFF STATUS
· TEMPERATURE
· START TIME
· COOKING TIME
174
PROCESSOR ACTIVATES OVEN CONTROLS
178
SELECT DIGITAL MUSIC FILE ON WEB SERVER
180
ENTER URL OF SPEAKER(S)
182
SEND SIMULTANEOUS DOWNLOADS TO DISTRIBUTED SPEAKERS
184
SONG PLAYED ON DIGITAL SPEAKERS

FIG. 5A

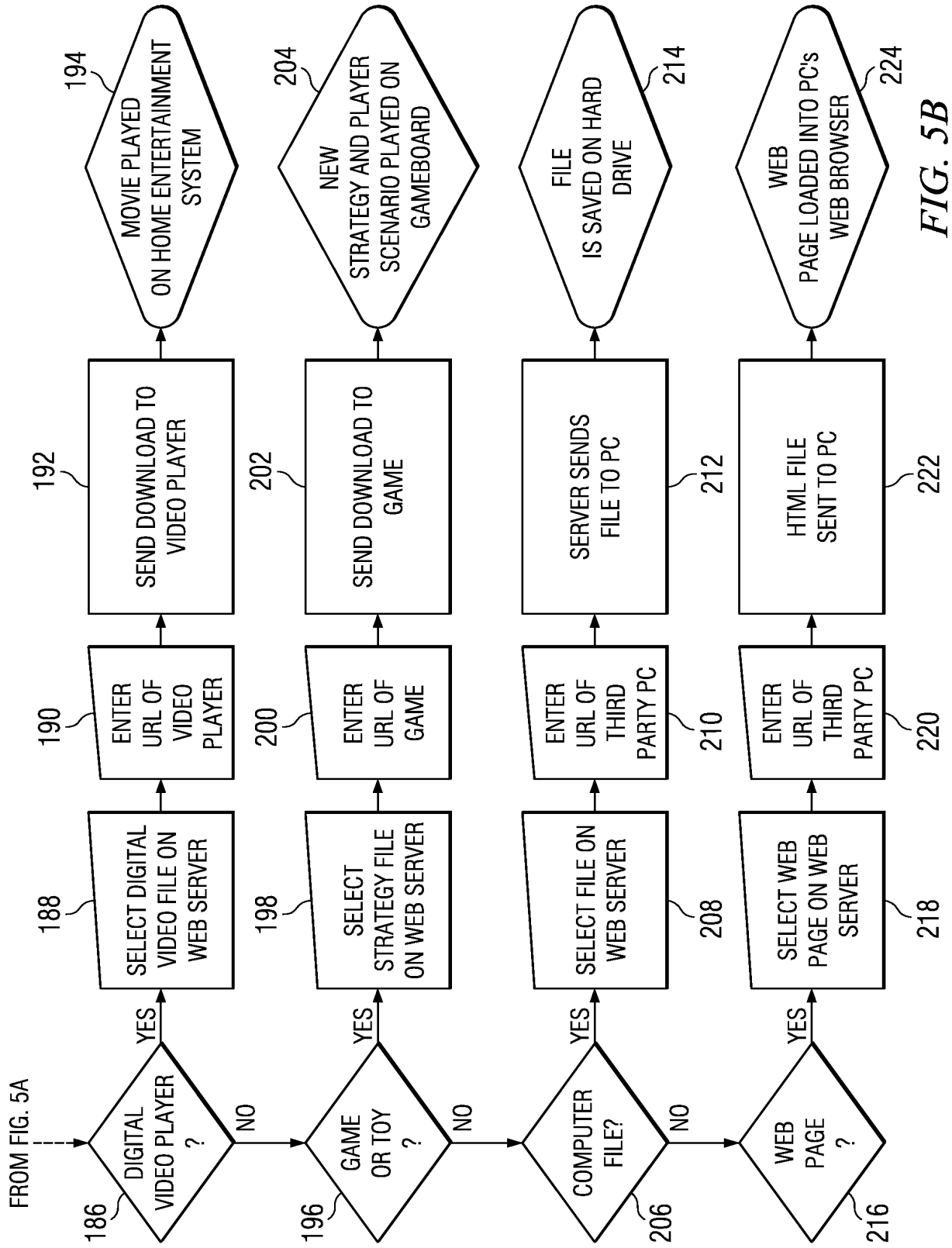
FROM FIG. 5A
186
DIGITAL VIDEO PLAYER ?
YES
NO
188
SELECT DIGITAL VIDEO FILE ON WEB SERVER
190
ENTER URL OF VIDEO PLAYER
192
SEND DOWNLOAD TO VIDEO PLAYER
194
MOVIE PLAYED ON HOME ENTERTAINMENT SYSTEM
196
GAME OR TOY ?
YES
NO
198
SELECT STRATEGY FILE ON WEB SERVER
200
ENTER URL OF GAME
202
SEND DOWNLOAD TO GAME
204
NEW STRATEGY AND PLAYER SCENARIO PLAYED ON GAMEBOARD
206
COMPUTER FILE?
YES
NO
208
SELECT FILE ON WEB SERVER
210
ENTER URL OF THIRD PARTY PC
212
SERVER SENDS FILE TO PC
214
FILE IS SAVED ON HARD DRIVE
216
WEB PAGE ?
YES
218
SELECT WEB PAGE ON WEB SERVER
220
ENTER URL OF THIRD PARTY PC
222
HTML FILE SENT TO PC
224
WEB PAGE LOADED INTO PC's WEB BROWSER

FIG. 5B